

APPLICATIONS BEING PREPARED

Philip Morris Incorporated  
Privileged and Confidential

13 April 1981

Code 1 - Offensive/Urgent  
Code 2 - Defensive/Urgent  
Code 3 - Offensive/Normal  
Code 4 - Defensive/Normal

0000016208

928 PREPARATION OF N-TERT BUTYL-p-MENTHANE-3-CARBOXAMIDE  
(WS-14)

R. Comes and S. Haut  
Chemical Research/Sanders/Osdene

This invention provides an improved process for synthesizing carbox-amides which involves reacting 3-p-menthyl halide with magnesium to form 3-p-menthylmagnesium halide Grignard reagent, and reacting the Grignard reagent with hydrocarbyl isocyanate at a temperature below about  $-20^{\circ}\text{C}$  to form N-hydrocarbyl-p-menthane-3-carboxamide product. The product comprises a mixture of geometric isomers in which the 3-p-menthyl:3-p-neomenthyl weight ratio is at least 9:1.

Related to 1005.

D&O/Hutcheson

- 10-22-79 Disclosure received - inventor notified.
- 10-31-79 Assigned to Hutcheson.
- 11-9-79 Search conducted by TIF in 1978 sent to inventors for evaluation.
- 1-25-80 Awaiting information from possible inventor Van Auken.
- 3-17-80 Memo to inventors asking for any new data; 4-80 inventors indicated that data will be ready soon.
- 6-30-80 Inventors continue to pursue this area of work; no new data available at this time.
- 9-9-80 Haut has indicated that they are making some progress in controlling the synthesis to the extent that the desired isomer is obtained in improved yield.
- 11-25-80 Disclosure to Depaoli for application preparation.
- 12-8-80 Additional info received from Haut and forwarded to Depaoli.
- 1-16-81 Draft application received--to inventors/management for review.
- 1-29-81 Inventors comments received; application will be redrafted.
- 2-20-81 Inventors comments/corrections on draft to Depaoli.
- 3-16-81 Redraft received and sent to inventors/management for review.
- 4-8-81 Inventors have refined process and submitted new experimental data to support claims. Application is to be redrafted to incorporate significant new findings. Will be filed with PM 1005.

\* \* \* \* \*

0000016209

1019 SMOKING COMPOSITIONS

H. Grubbs and Y. Houminer  
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a hydroxy-substituted carboxylate compound as a flavorant additive.

Related to 920 and 964.

D&O/Hutcheson

- 2-9-81 Examples to Depaoli for consideration.
- 2-19-81 Letter from Depaoli--proceeding with application.
- 3-6-81 Draft received--to inventors/management for review.
- 3-25-81 Comments/corrections for draft sent to Depaoli.

\* \* \* \* \*

1030 ACETYL-PYRAZINE FLAVORANTS

D. Williams, Y. Houminer, and R. Southwick  
Chemical Research/Sanders/Osdene

This invention relates to a novel process for preparing heretofore unknown ketones having desirable odor and flavor properties.

D&O/Hutcheson

- 3-13-81 Disclosure received--inventors notified.
- 3-27-81 Disclosure typed and sent to inventors and manager for review.
- 4-9-81 Corrections made and disclosure and search results sent to Depaoli for application preparation.

\* \* \* \* \*

0000016210